

	L #	Hits	Search Text
1	L1	497	424/178.1,179.1.ccls.
2	L2	3407	514/2.ccls.
3	L3	264	amidinium
4	L4	34807	azo
5	L5	0	3 and 4 and (1 or 2)
6	L6	13316	diazo
7	L7	0	3 and 4 and (1 or 2)
8	L8	37	4 and (1 or 2)
9	L9	42159 5	conjugate or complex
10	L10	19055 5	target\$4
11	L11	42	aminophenylsulphonic or aminophenylphosphonic
12	L12	11	11 and (9 or 10)
13	L13	2742	cytidine or cytodine
14	L14	2299	13 and (9 or 10)
15	L15	39691	albumin
16	L16	1134	14 and 15
17	L17	2718	albumin.clm.
18	L18	18	14 and 17
19	L19	9507	tetracycline
20	L20	6639	19 and (9 or 10)
21	L21	106	20 and 17
22	L22	12484	antibod\$3.clm.
23	L23	876	20 and 22
24	L24	620	tetracycline.clm.

	L #	Hits	Search Text
25	L25	28	24 and 22

Untitled

L6 ANSWER 9 OF 9 MEDLINE
 ACCESSION NUMBER: 87041528 MEDLINE
 DOCUMENT NUMBER: 87041528 PubMed ID: 2877461
 TITLE: Antibody-targeted photolysis: selective photodestruction of human T-cell leukemia cells using monoclonal antibody-chlorin e6 conjugates.
 AUTHOR: ***Oseroff A R*** ; Ohuoha D; Hasan T; Bommer J C; Yarmush M L
 SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1986 Nov) 83 (22) 8744-8. Journal code: PV3; 7505876. ISSN: 0027-8424.
 PUB. COUNTRY: United States
 Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 198612
 ENTRY DATE: Entered STN: 19900302
 Last Updated on STN: 19950206
 Entered Medline: 19861217
 AB Selective in vitro photodestruction of HPB-ALL human T-cell leukemia cells was accomplished using the ***photosensitizer*** chlorin e6 coupled through dextran molecules to an anti-T-cell monoclonal antibody (mAb), anti-Leu-1. Conjugates with mAb/chlorin molar ratios as high as 1:36 retained mAb binding activity, and the absorption spectrum and quantum efficiency for singlet oxygen production of bound chlorin (0.7 +/- 0.2) were unchanged from that of the free ***photosensitizer***. Phototoxicity, as measured by a clonogenic assay and by uptake of ethidium bromide, was dependent on the doses of both mAb-chlorin and 630- to 670-nm light, was enhanced by 2H2O, and was observed only in target populations that bound the mAb. Similarly, free chlorin e6 in solution had no photodynamic effect in amounts 100 times more than that carried by the mAb. For this antibody-targeted system, approximately 10(10) molecules of singlet oxygen were necessary to kill a cell.

Untitled

L10 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2001 ACS

RN 12643-02-6 REGISTRY

CN ***Chlorin e (porphyrin) (9CI)*** (CA INDEX NAME)

OTHER NAMES:

CN Chlorine e

MF Unspecified

CI MAN

LC STN Files: CA, CAPLUS, CEN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

10 REFERENCES IN FILE CA (1967 TO DATE)

10 REFERENCES IN FILE CAPLUS (1967 TO DATE)